

Listing of the Claims:

1 (previously presented): A method for transmitting a MAC service data unit (MSDU) in a network system, the MSDU having a plurality of pieces of frame data, the method comprising:

5 receiving the pieces of frame data of the MSDU; and
 converting each received piece of frame data into a MAC protocol data unit (MPDU) and outputting the MPDU, wherein for at least one of the plurality of pieces of frame data, converting begins prior to having received all of the plurality of pieces of frame data of the MSDU.

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2 (original): The method of claim 1 wherein the network system is a wireless network system.

3 (original): The method of claim 2 wherein the received piece of frame data is
15 converted into the MPDU according to the IEEE 802.11 standard.

4 (previously presented): A network device comprising:
 an I/O interface to receive a MAC service data unit (MSDU) which has a plurality of pieces of frame data;
20 a buffer to store the pieces of frame data received by the I/O interface; and
 a control circuit to control operations of the network device and to convert the pieces of frame data stored in the buffer into MAC protocol data units (MPDUs);
 wherein the control circuit is configured to begin converting at least one received piece of frame data into a corresponding MPDU prior to having received all
25 of the plurality of pieces of frame data of the MSDU.

5 (original): The network device of claim 4 further comprising an antenna for wirelessly transmitting the MPDUs.

30 6 (original): The network device of claim 5 wherein the control circuit converts

the pieces of frame data of the MSDU into the MPDUs according to the IEEE 802.11 standard.

- 7 (previously presented): A device comprising:
- 5 an interface to receive a MAC service data unit (MSDU), the MSDU comprising a plurality of pieces of data; and
- a controller to convert the plurality of pieces of data into MAC protocol data units (MPDU), the controller being configured to begin converting at least one received piece of data into a corresponding MPDU prior to having received all of the
- 10 plurality of pieces of data of the MSDU.